

NOXIOUS WEEDS ON USACE KANSAS CITY DISTRICT LANDS IN KANSAS

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19 OCTOBER 2017

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USACE LANDS AND OUR NATIONAL INVASIVE SPECIES EFFORTS

- Over 12 million acres of public land and water
- Congressionally authorized multi-purpose use projects
- USACE Environmental Stewardship Mission requires conservation, preservation and restoration of the lands and waters entrusted to USACE. This requires mgt. and control of invasive species.
- Invasive species:
 - threaten our nation's natural resources;
 - seriously hinder navigation;
 - adversely affect flood risk management, hydropower generation and water supply;
 - and limit recreation use by the public
- USACE – Invasive Species Leadership Team
- Eight Goals: Leadership and Coordination, Prevention, Early Detection and Rapid Response, Control and Management, Restoration, Research, Information Management, Education and Public Awareness
- Approx. Expenditures: FY11 \$115M, FY11 \$159M, FY12 \$134M, FY13 \$133M, FY14 \$144M projected
- Increasing emphasis in budget on invasive species eradication and control
- For more information: <http://www.usace.army.mil/Missions/Environmental/Invasive-Species-Management/>



USACE LANDS IN KANSAS CITY DISTRICT

Projects located in four states – IA, KS, NE, MO

18 multipurpose lake projects and the Missouri River Bank Stabilization and Navigation Fish and Wildlife Mitigation Project (Mitigation Project)

Congressionally authorized project purposes vary by project but may include: Flood Control, Navigation, Hydropower, Water Supply, Water Quality, Irrigation, Recreation and Fish & Wildlife

TOTAL NWK

• 610,284 land acres • 198,231 water acres • 2,691 shoreline miles

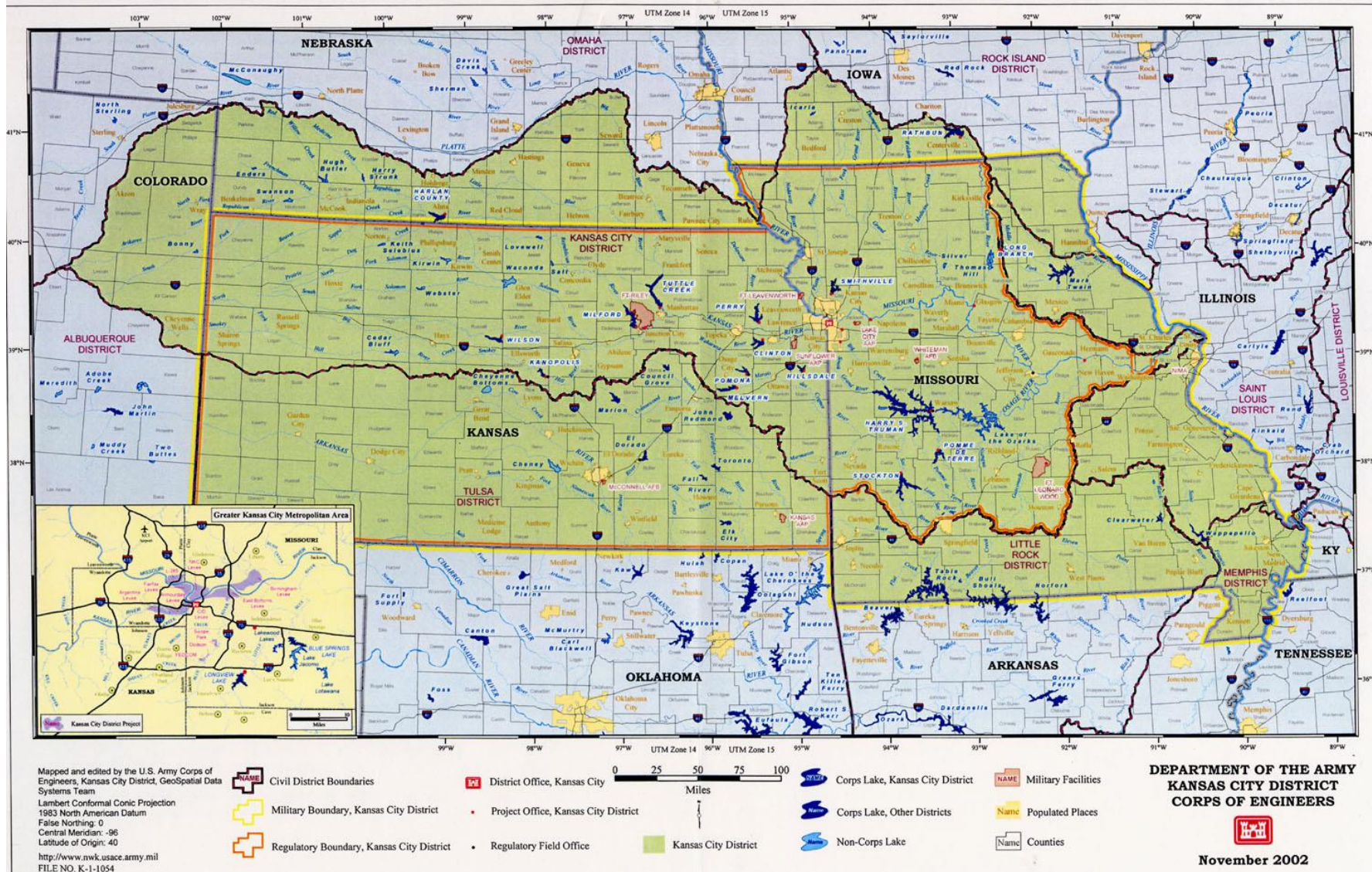
TOTAL NWK LAND/WATER

808,515 acres



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11/21/2017



USACE KANSAS CITY DISTRICT LANDS IN KANSAS

Hillsdale	• 13,103 land acres	• 4,616 water acres	• 51 shoreline miles
Clinton	• 22,245 land acres	• 7,309 water acres	• 85 shoreline miles
Perry	• 39,338 land acres	• 11,146 water acres	• 160 shoreline miles
Pomona	• 10,500 land acres	• 4,000 water acres	• 52 shoreline miles
Melvern	• 23,366 land acres	• 6,930 water acres	• 101 shoreline miles
Tuttle Creek	• 33,643 land acres	• 12,361 water acres	• 104 shoreline miles
Milford	• 44,231 land acres	• 15,709 water acres	• 163 shoreline miles
Kanopolis	• 21,121 land acres	• 3,406 water acres	• 41 shoreline miles
Wilson	• 21,796 land acres	• 9,209 water acres	• 100 shoreline miles
MO River Mitigation (5 sites)	• 6,080 land acres	• N/A	• N/A
<u>TOTAL NWK KANSAS</u>	• 235,423 land acres	• 74,686 water acres	• 857 shoreline miles
<u>TOTAL NWK LAND/WATER IN KS</u>	310,109 acres		



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PURPOSE

- Ensure the ability to sustain the project's Congressionally authorized purposes
- Maintain native habitat
- Maintain agricultural lands for wildlife
- Prevent spread onto adjoining landowners
- Ensure consistency with State requirements



THE USUAL SUSPECTS

- Johnsongrass*
- Sericea lespedeza*
- Musk thistle*
- Bur ragweed
- Canada thistle
- Field bindweed*
- Hoary cress
- Kudzu
- Leafy spurge
- Pignut
- Quackgrass
- Russian knapweed



- Other invasive plant species not currently listed under State Noxious Weed law (Caucasian bluestem, phragmites, Russian olive, bush honeysuckle, Japanese hops, etc.)

* Our biggest problem species



THE CHALLENGES

- Budget
- Manpower
- Collateral damage
- Evolving knowledge
- New policy and regulatory requirements
- Resistance to treatment
- New species



APPLICATION

- Permanent staff
- Seasonal staff/volunteers
- Contracts
- Agricultural lessees
- KDWPT
- Other lessees and licensed entities
- KDA / County Weed Boards / KSU
- Adjacent landowners / project visitors



METHODS

- Continuous monitoring
- Chemical treatment – spot spraying an aerial application
- Controlled burns
- Mechanical
- Grazing
- Biological
- Agricultural row crop leases thru abatement/offset
- Requirements in permits and licenses
- Reestablishment of native vegetation
- Education



USACE KANSAS CITY DISTRICT - 2018 EFFORTS IN KS

- Approximately \$350K budgeted directly by USACE to eradicate invasive species on our project lands in Kansas
- Does not include costs budgeted for efforts implemented by KDWPT on their USACE licensed lands or abatement/offsets dollars that we will use to eradicate invasive species on our project lands in Kansas



QUESTIONS?

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